

CHIR0026-100 (PP023878.0001)
SERIAL NO.: 10/004,113

PATENT
FILED: October 23, 2001

AMENDMENTS TO THE CLAIMS:

Please amend claims 8 and 9 as follows:

Please cancel claims 1-7 and 10-19 without prejudice.

Please add new claim 20.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-7 (Cancelled)

8. (Currently amended) A method of screening for a bioactive agent capable of binding to an CA protein (CAP), wherein said CAP is encoded by a nucleic acid comprising a nucleic acid sequence selected from the group consisting of ~~the sequences outlined in Tables 1-10~~ SEO ID NO:53 and SEO ID NO:54, said method comprising: a) combining said CAP and a candidate bioactive agent; and b) determining the binding of said candidate bioactive agent to said CAP; wherein said bioactive agent is an organic compound.

9. (Currently amended) A method for screening for a bioactive agent capable of modulating the activity of an CA protein (CAP), wherein said CAP is encoded by a nucleic acid comprising a nucleic acid sequence selected from the group consisting of ~~the sequences outlined in Tables 1-10~~ SEO ID NO:53 and SEO ID NO:54, said method comprising: a) combining said CAP and a candidate bioactive agent; and b) determining the effect of said candidate bioactive agent on the bioactivity of said CAP; wherein said bioactive agent is an organic compound.

Claims 10-19 (Cancelled)

20. (New) The method of either claim 8 or 9 wherein the candidate bioactive agent is an organic compound having a molecular weight less than about 2,500 daltons.

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21. (New) The method of claim 9 wherein the bioactivity of said CAP is selected from the group consisting of tumorigenesis, cell division, cell proliferation, tumor growth and transformation of cells.